In The Claims:

Please cancel claims 12, 25, 26 and 33 – 42 and amend claims 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 16, 19, 20, 21, 22, 23, 24, 27, 28, 29, 31, 32, 43, 44, 45 and 46. as follows:

1(currently amended). An implant system comprising:

a prosthesis having a structural framework material, composite material, or ceramic material and further comprising one or more cylinders;

wherein the one or more cylinders comprises a substantially cylindrical body and one or more shelves are disposed on a surface of the substantially cylindrical body, and wherein the one or more shelves comprise one or more grooves having at least two sides

~~designed to retain a structural framework material, composite material, or ceramic material for an implant system for placement in the mouth comprising:~~

~~a substantially cylindrical body; and~~

~~one or more shelves disposed on a surface of the substantially cylindrical body, wherein the one or more shelves comprise one or more grooves having at least two sides~~.

2 (currently amended). The implant system ~~cylinder~~ of claim 1 wherein the one or more shelves comprise one or more horizontally extending grooves, one or more vertically extending grooves, or a combination thereof.

3 (currently amended). The implant system~~cylinder~~ of claim 2 wherein the horizontally extending grooves are located on facial and lingual surfaces of the body and the vertically extending grooves are located on proximal surfaces of the body.

4 (currently amended). The implant system~~cylinder~~ of claim 1 further comprising an opening extending axially through the body.

5 (currently amended). An ~~framework for an~~ implant system comprising:

a framework comprising one or more cylinders, wherein the cylinders each comprise a substantially cylindrical body and one or more shelves disposed on a surface of the substantially cylindrical body, wherein the one or more shelves comprise one or

more grooves having at least two sides; and fiber reinforced composite material retained on the cylinders.

6 (currently amended). The implant system ~~framework~~ of claim 5 wherein the one or more shelves comprise one or more horizontally extending grooves, one or more vertically extending grooves, or a combination thereof.

7 (currently amended). The implant system~~framework~~ of claim 5 wherein the one or more cylinders comprise a series of cylinders aligned in a curved line.

8 (currently amended). The implant system~~framework~~ of claim 5 wherein the fiber reinforced composite material is disposed in and between the vertically extending grooves.

9 (currently amended). A framework for an implant system comprising:

one or more cylinders, wherein the cylinders each comprise a substantially cylindrical body and one or more shelves disposed on a surface of the substantially cylindrical body, wherein the one or more shelves comprise one or more grooves having at least two sides; and fiber reinforced composite material retained on the cylinders and ~~The framework of claim 5~~ wherein the fiber reinforced composite material is in the shape of bars.

10 (currently amended). The implant system~~framework~~ of claim 5 wherein the fiber reinforced composite material is wrapped around the one or more cylinders.

11 (currently amended). The implant system~~framework~~ of claim 6 wherein the fiber reinforced composite material is disposed in and between the vertically extending grooves and is wrapped around the one or more cylinders.

12 (cancelled).

13 (currently amended). An implant system comprising:

one or more abutments for connection to implants; and

a prosthesis comprising one or more cylinders for connection to the one or more abutments wherein each cylinder comprises a substantially cylindrical body, one or more horizontally extending grooves having at least two sides, wherein the horizontally extending grooves are disposed on the surface of the cylindrical body, and one or more vertically extending grooves having at least two sides, wherein the vertically extending grooves are disposed on the surface of the cylindrical body; and

fiber reinforced composite material retained on the cylinders.

14 (original). The implant system of claim 13 further comprising implants.

15 (previously amended). The implant system of claim 13 wherein the fiber reinforced composite material is disposed in and between the vertically extending grooves and is wrapped around the one or more cylinders.

16 (currently amended). An implant system comprising:

one or more abutments for connection to implants;

a prosthesis comprising one or more cylinders for connection to the abutments wherein each cylinder comprises a substantially cylindrical body, one or more horizontally extending grooves having at least two sides, wherein the horizontally extending grooves are disposed on the surface of the cylindrical body, and one or more vertically extending grooves having at least two sides, wherein the vertically extending grooves are disposed on the surface of the cylindrical body; and

a structural material disposed on the cylinders.

17 (original). The implant system of claim 16 further comprising implants.

18 (original). The implant system of claim 16 wherein the structural material comprises fiber-reinforced composite material.

19 (currently amended). The implant system ~~cylinder~~ of claim 1 wherein the cylinder is fabricated of a material selected from plastic, ceramic, polymeric material, and mixtures thereof.

20 (currently amended). The implant system ~~framework~~ of claim 5 wherein the fiber reinforced composite material comprises a polymeric matrix and fibers dispersed in the polymeric matrix.

21 (currently amended). The implant system~~framework~~ of claim 20 wherein the fiber-reinforced composite material further comprises a filler material.

22 (currently amended). The implant system~~framework~~ of claim 20 wherein the polymeric matrix is selected from the group of polyamides, polyesters, polyolefins, polyimides, polyacrylates, polyurethanes, vinyl esters, nylon, epoxy-based materials, styrene, styrene acrylonitrile, ABS polymers, polysulfones, polyacetals, polycarbonates, polyphenylene sulfides and mixtures thereof.

23 (currently amended). The implant system~~framework~~ of claim 20 wherein the fibers are fabricated from materials selected from glass, carbon, graphite, polyaramid, polyethylene and mixtures thereof.

24 (currently amended). The implant system~~framework~~ of claim 21 wherein the filler material is selected from silica, silicate glass, quartz, barium silicate, strontium silicate, barium borosilicate, strontium borosilicate, borosilicate, lithium silicate, amorphous silica, ammoniated or deammoniated calcium phosphate, alumina, zirconia, tin oxide, titania poly(methacrylate) and mixtures thereof.

25 (cancelled)

26 (cancelled)

27 (currently amended). A method of making a prosthesis for an implant system comprising:

placing a series of cylinders onto a cast wherein each cylinder comprises a substantially cylindrical body, one or more horizontally extending grooves having at least two sides, wherein the horizontally extending grooves are disposed on the surface of the cylindrical body, and one or more vertically extending grooves having at least two sides, wherein the vertically extending grooves are disposed on the surface of the cylindrical body; and

building a structural framework on the series of cylinders.

28 (original). The method of claim 27 wherein the structural framework comprises fiber reinforced composite material.

29 (currently amended). The method of claim 27 further comprising building teetha ~~prosthesis~~ on the framework.

30 (original). The method of claim 29 further comprising inserting the implant system into a patient's mouth.

31 (currently amended). An implant system comprising:

one or more abutments for connection to implants;

a prosthesis comprising one or more cylinders for connection to the one or more abutments wherein each cylinder comprises a substantially cylindrical body and one or more grooves having at least two sides, wherein the grooves are disposed on a surface of the substantially cylindrical body; and

fiber reinforced composite material retained on the cylinders.

32 (currently amended). An implant system comprising:

one or more abutments for connection to implants;

a prosthesis comprising one or more cylinders for connection to the abutments wherein each cylinder comprises a substantially cylindrical body and one or more

grooves having at least two sides, wherein the grooves are disposed on a surface of the substantially cylindrical body; and

a structural material disposed on the cylinders.

33 – 42 (deleted)

43 (currently amended). A cylinder designed to retain a structural framework material, composite material, or ceramic material for a prosthesis in an implant system for placement in the mouth comprising:

a substantially cylindrical body;

one or more grooves having at least two sides, wherein the grooves are disposed on a surface of the substantially cylindrical body; and

a cantilever extending from the cylindrical body.

44 (currently amended). A cylinder designed to retain a structural framework material, composite material, or ceramic material for a prosthesis in an implant system for placement in the mouth comprising:

a substantially cylindrical body;

one or more grooves having at least two sides, wherein the grooves are disposed on a surface of the substantially cylindrical body; and

a series of nodules, holes or beads disposed on a surface of the cylindrical body.

45 (currently amended). A kit for the manufacture of a prosthesis for an implant system for placement in the mouth comprising:

one or more cylinders designed to retain a structural framework material, composite material, or ceramic material, wherein the cylinders comprise a substantially cylindrical body; and one or more grooves having at least two sides, wherein the grooves are disposed on a surface of the substantially cylindrical body.

46 (currently amended). A kit for the manufacture of a prosthesis for an implant system for placement in the mouth comprising:

composite material; and

one or more cylinders designed to retain a structural framework material, composite material, or ceramic material, wherein the cylinders comprise a substantially cylindrical body; and one or more grooves having at least two sides, wherein the grooves are disposed on a surface of the substantially cylindrical body.

47 (original). The kit of claim 45 further including abutments, implants, and composite material.

48 (original). The kit of claim 47 further including bonding resin and screws.